

Title (en)

CONTROL DEVICE, CONTROL SYSTEM, CONTROL METHOD, AND CONTROL PROGRAM

Title (de)

STEUERUNGSVORRICHTUNG, STEUERUNGSSYSTEM, STEUERUNGSVERFAHREN UND STEUERUNGSPROGRAMM

Title (fr)

DISPOSITIF, SYSTÈME, PROCÉDÉ ET PROGRAMME DE COMMANDE

Publication

EP 3528131 A1 20190821 (EN)

Application

EP 18205575 A 20181112

Priority

JP 2018024087 A 20180214

Abstract (en)

A control device (10) includes a cyclic communication part (121) and a communication management part (110). The cyclic communication part (121) controls communication of first control data and second control data. The first control data is control data of which arrival in a first guarantee time is guaranteed according to a preset cyclic period. In the second control data, arrival in a second guarantee time longer than the cyclic period is guaranteed and a sequence of information included is determined. When a data volume of second control data exceeds a communication volume for second control data based on the cyclic period, the communication management part (110) divides the second control data into a plurality of communication data. The communication management part (110) attaches an identifier indicating communication in a divided manner, a data volume, and a communication order to the plurality of communication data.

IPC 8 full level

G06F 13/00 (2006.01); **G05B 19/408** (2006.01)

CPC (source: CN EP US)

G05B 19/408 (2013.01 - EP US); **G05B 19/4185** (2013.01 - CN); **G05B 19/41865** (2013.01 - CN); **G06F 13/00** (2013.01 - EP US); **H04L 47/12** (2013.01 - US); **H04L 47/2425** (2013.01 - US); **G05B 2219/1215** (2013.01 - EP US); **G05B 2219/15081** (2013.01 - EP US)

Citation (applicant)

JP 2004363782 A 20041224 - HITACHI HIGH TECH CORP

Citation (search report)

- [XYI] DE 112011105318 T5 20140306 - MITSUBISHI ELECTRIC CORP [JP]
- [I] US 2010074262 A1 20100325 - BREIT EUGEN [DE], et al
- [Y] DE 102010002327 A1 20101118 - HITACHI IND EQUIPMENT SYS [JP]
- [Y] EP 1119141 A1 20010725 - HITACHI LTD [JP]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3528131 A1 20190821; CN 110161982 A 20190823; CN 110161982 B 20220715; JP 2019140603 A 20190822; JP 6911791 B2 20210728; US 2019253355 A1 20190815

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